

Edward B. Altman

Research Division, San Jose, California.

Electrical engineering (Ph.D., Case Institute of Technology, 1964). Joined IBM in 1964, and was initially involved in the development of algorithms to be used in the processing of natural text. Since 1969 he has been involved in the design of advanced data base systems and is currently managing a project in information systems architecture.

Morton M. Astrahan

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Electrical engineering (Ph.D., Northwestern University, 1949). Joined IBM in 1949 and participated in logical design of the IBM 701 computer system. He managed the IBM system planning activities for the AN/FSQ-7 air defense computer system. In 1956 he joined the Advanced Systems Development Division in San Jose where he participated in various on-line computer system projects. The years 1962 to 1964 were spent in France as Manager of Technology for the World Trade Laboratories. In 1970 he joined the Research Division in San Jose and is currently doing research in data base management systems.

Authors

Paul L. Fehder

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Chemical physics (Ph.D., California Institute of Technology, 1970). Since joining IBM in 1969, he has been involved in the development of the DIAM model for an information systems architecture, with particular emphasis on a high-level users' language for the DIAM prototype system. He is currently working on extensions to that language, and on the development of a processor to translate the users' language into the internal accessing language used within the DIAM prototype.

Donald P. Karp

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Business administration (B.S., New Haven College, 1966). Before joining IBM in 1966, he participated in the design and implementation of interactive airline and financial systems at the Bunker Ramo Corporation. At IBM Research he has worked with the design staff of the IBM Time-Sharing System (TSS/360) and has done research in computer networks and distributed data-base technology.

Douglas B. McKay

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Physics and electrical engineering (B.E.E., Rensselaer Polytechnic Institute, 1963). Before joining the IBM Components Division as a circuit engineer and design programmer in 1964, he did work in radar transmission for the Raytheon Company. In IBM Research, he managed an experimental computer network project. He is currently on leave to the IBM General Systems Division Headquarters in Atlanta, Georgia.

Joseph A. Orlicky

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Law and economics (J.D., Charles University, Prague, Czechoslovakia, 1948); business administration (M.B.A., University of Chicago, 1951). Prior to joining IBM he was Director, Production Control/Corporate for the J.I. Case Company. He joined IBM in 1962 as a Senior Planning Representative with the Advanced Systems Development Division and currently is an Industry Consultant in the Data Processing Division, participating in the industry grant program.

Michael E. Senko

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Physical chemistry (Ph.D., University of California, Berkeley, 1956). Joined IBM in 1956 as a member of the Research Computing Center in Poughkeepsie, New York. In 1965, he initiated the project that resulted in the IBM Generalized Information System (GIS). He is currently manager of the Information Sciences Department at the San Jose Research Laboratory.